FIG. 2

FIG 2 (A)

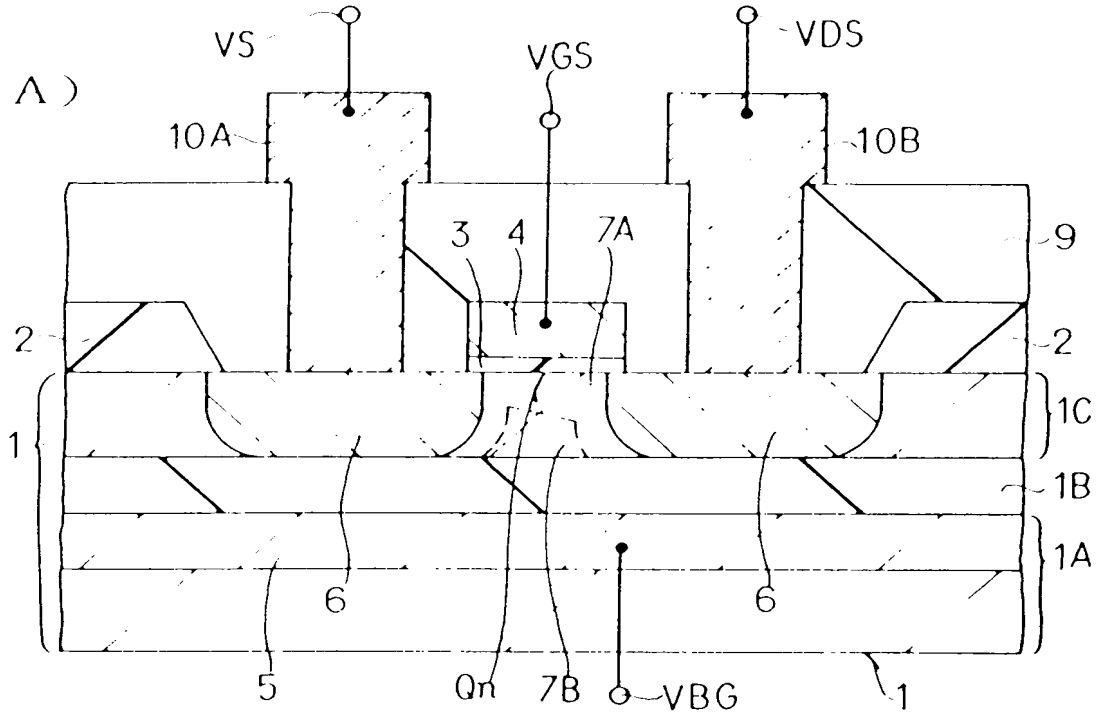
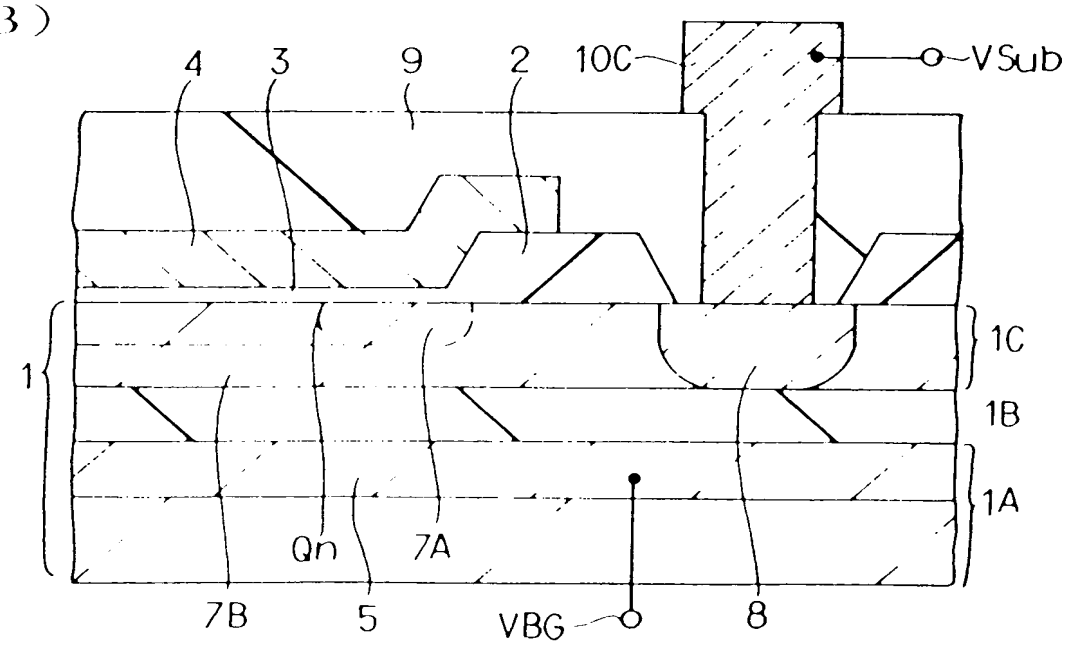


FIG 2 (B)



~~FIG. 3~~

FIG 3(A)
~~(C)~~

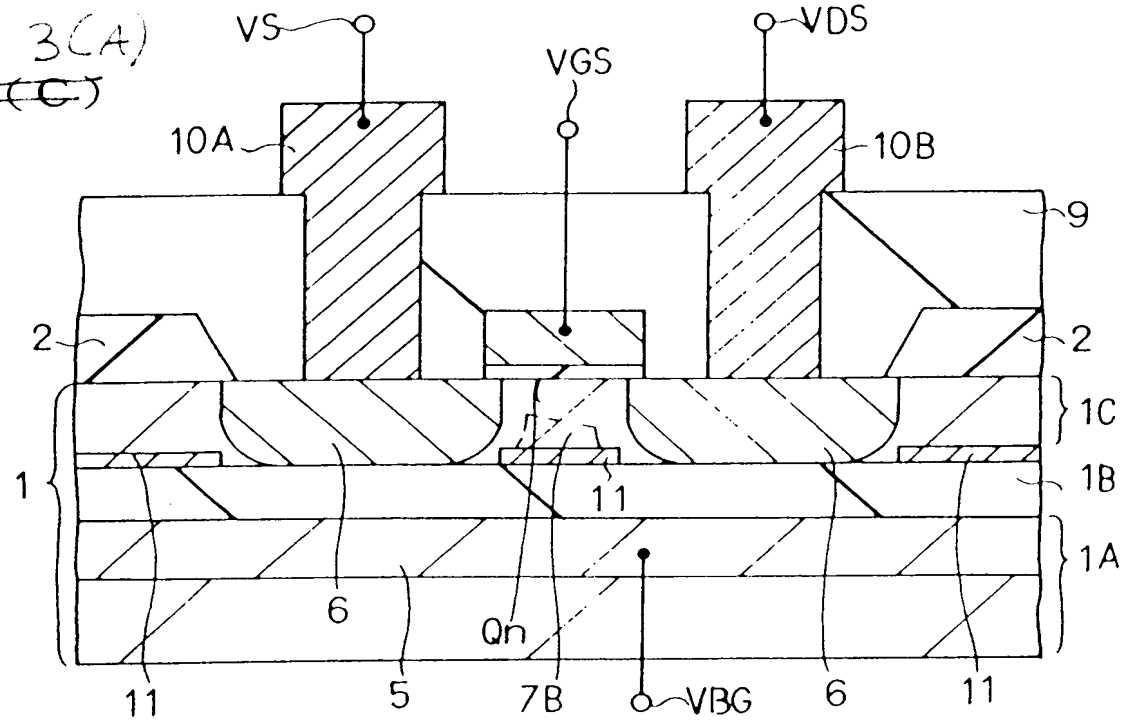
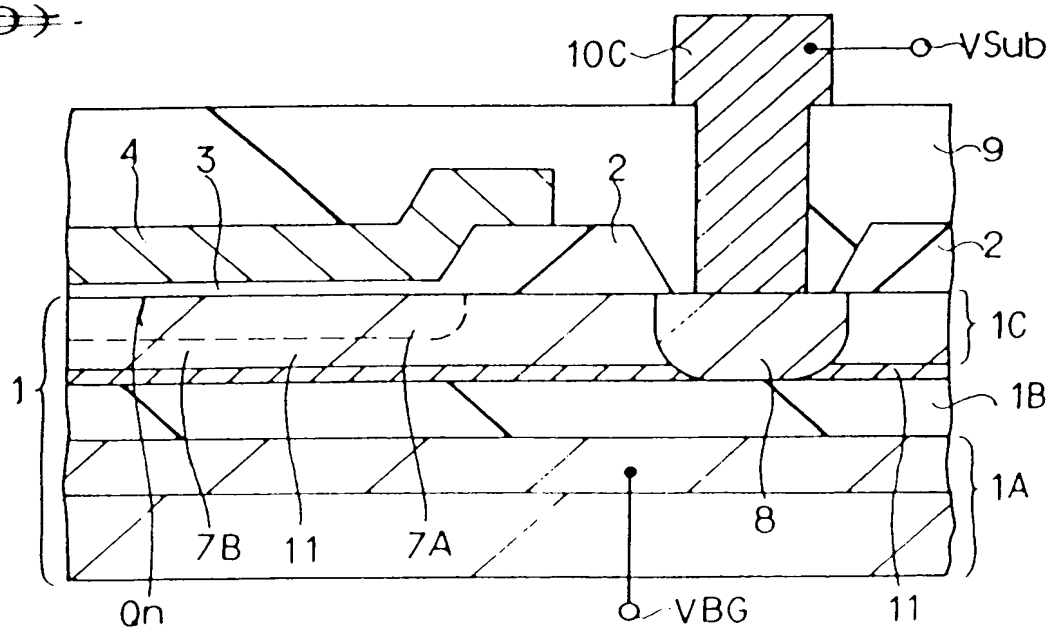


FIG 3(B)
~~(D)~~



~~FIG. 5~~

FIG5(A)

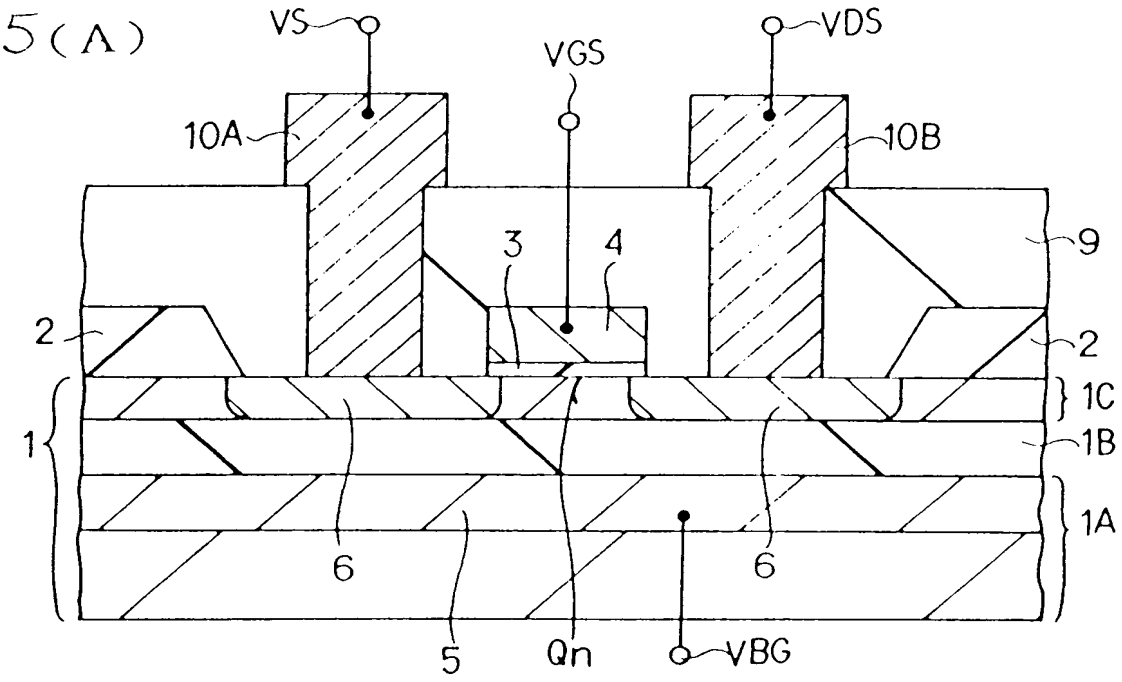
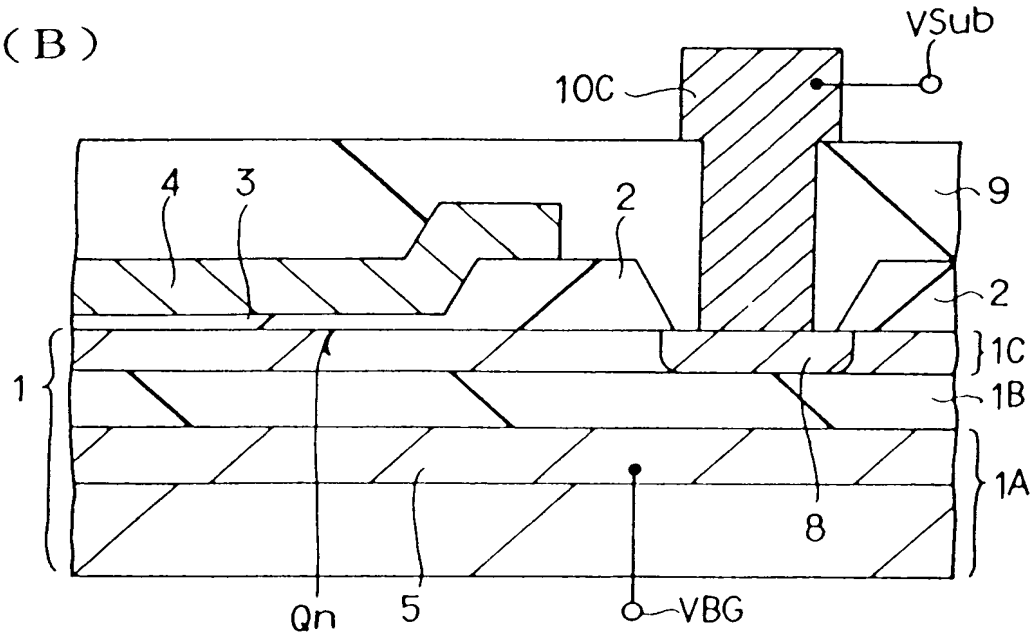


FIG5(B)



~~FIG. 10~~

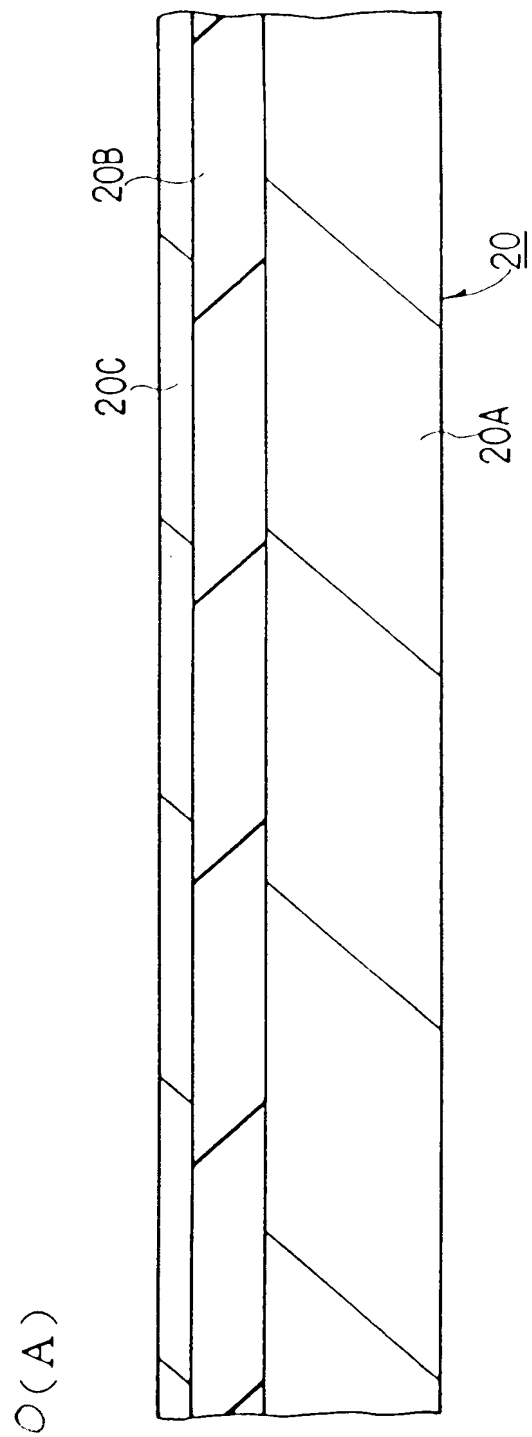


FIG10(A)

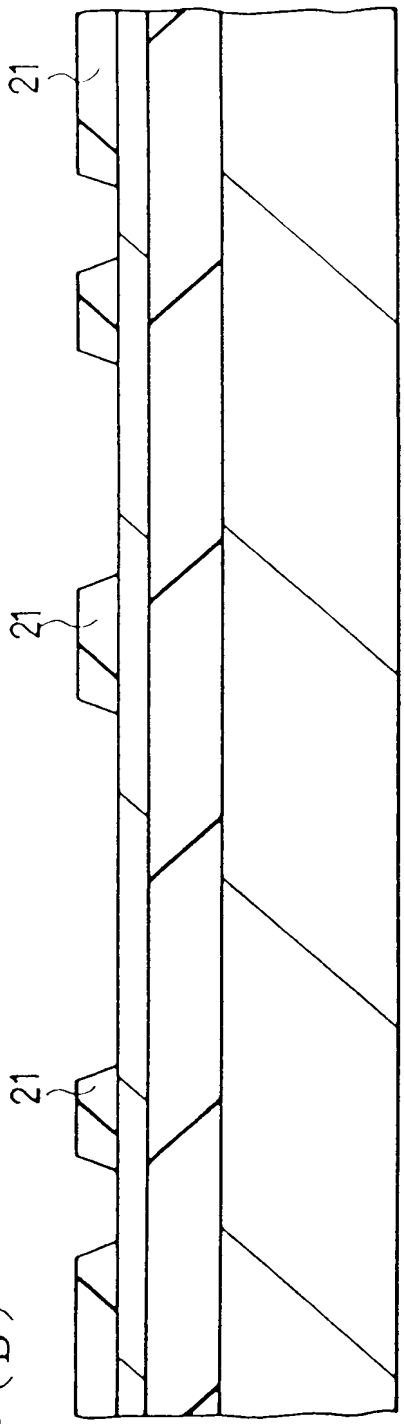


FIG10(B)

FIG. 11.

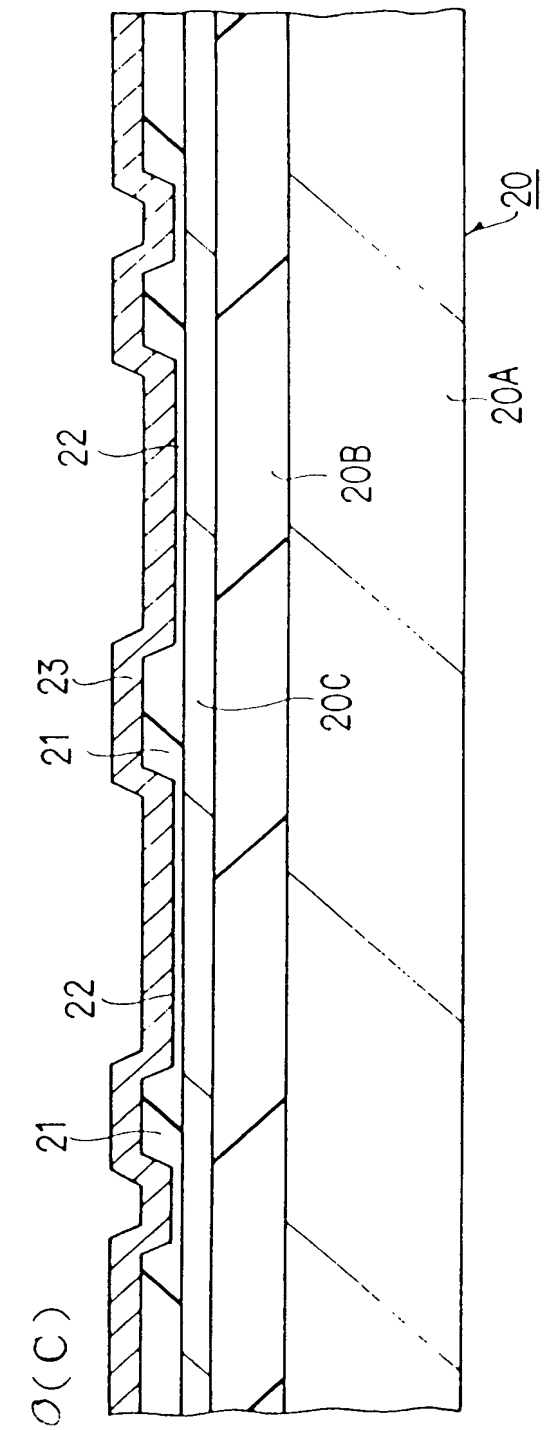


FIG. 10(C)

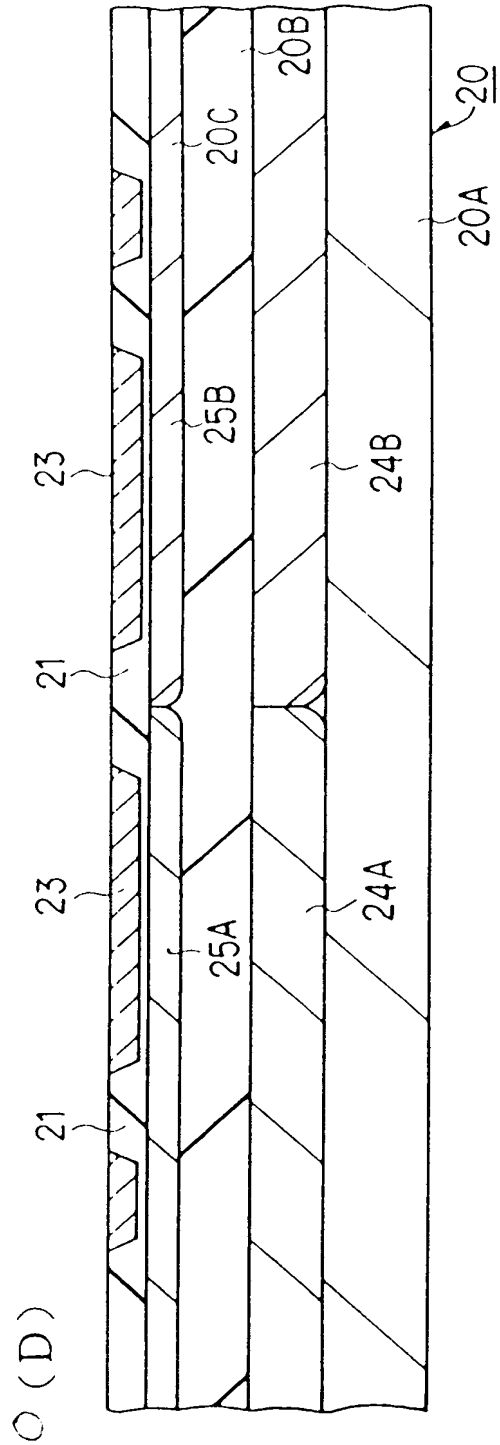


FIG. 10(D)

FIG. 12

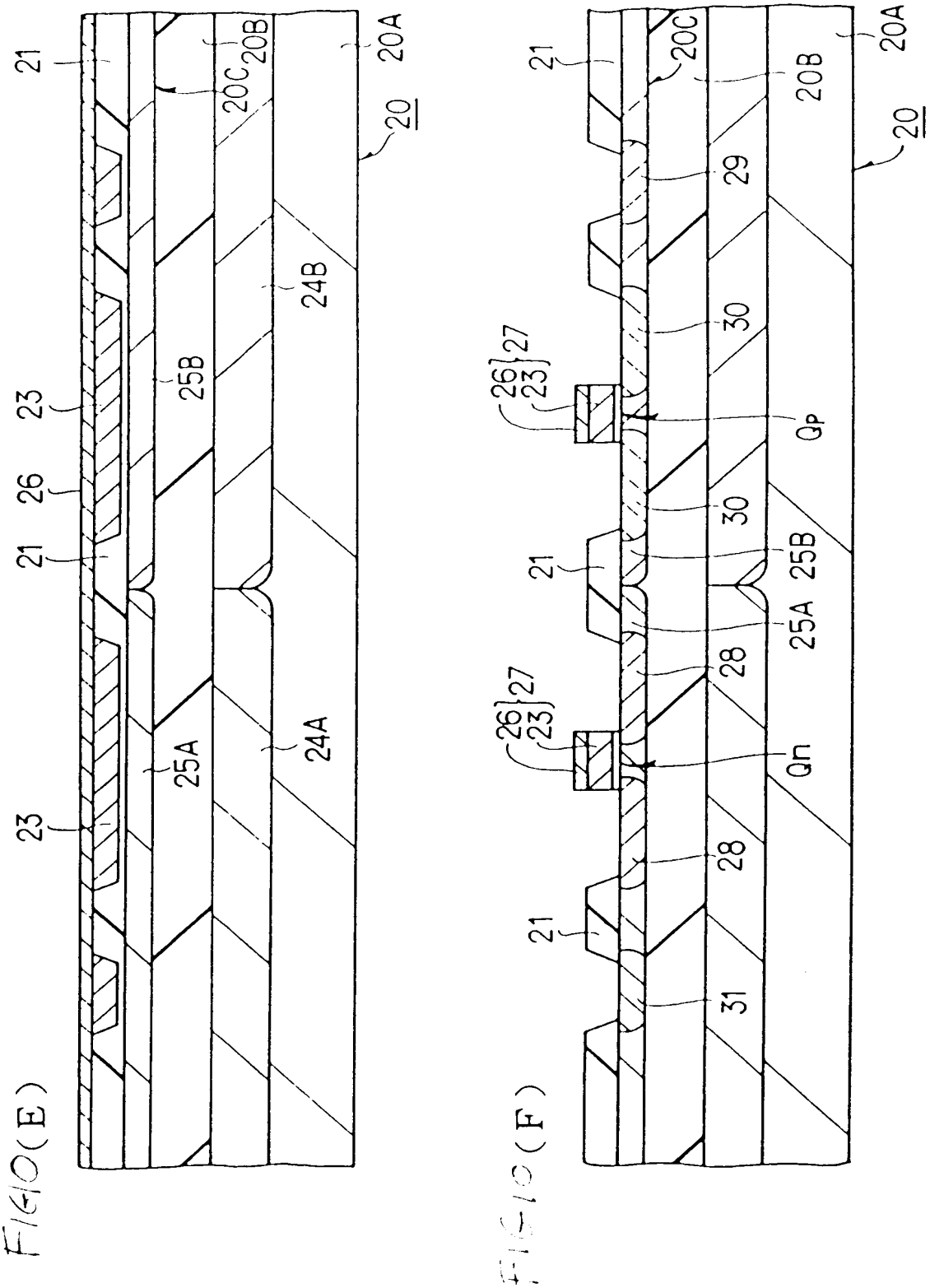
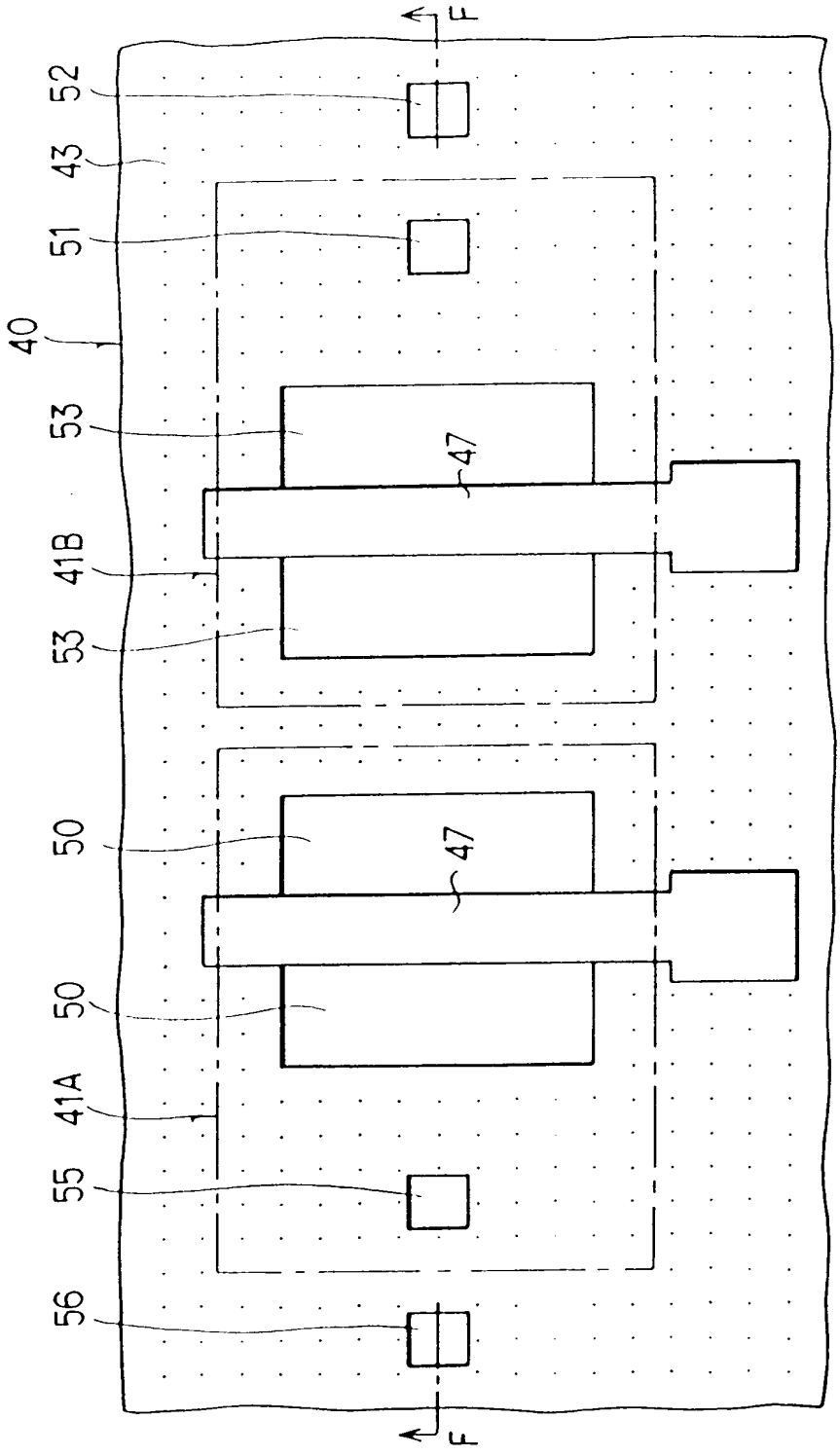

21
20C
20B
20A
20
23
26
21
25B
24B
23
25A
24A
FIG. 10(E)
21
20C
20B
20A
20
29
26
23
27
30
Qp
30
21
25B
25A
28
26
23
27
Qn
28
21
31
FIG. 10(F)

FIG 11
~~FIG. 13~~



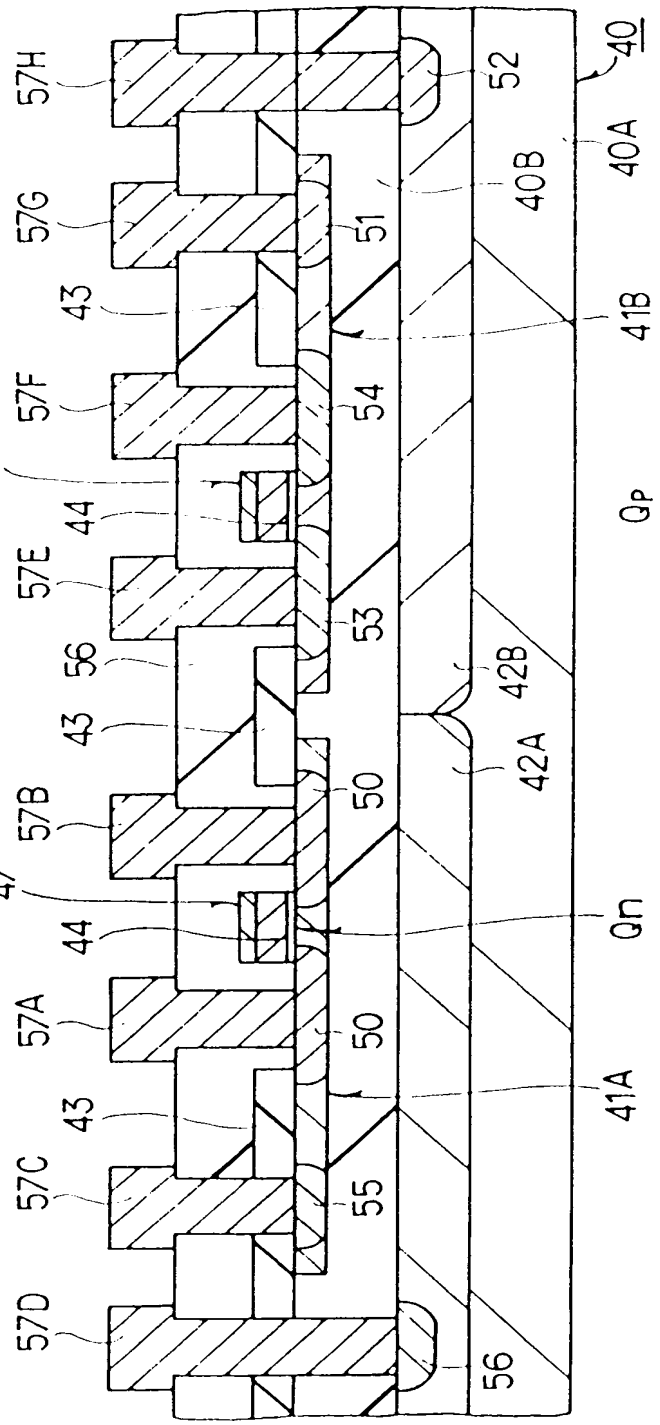

57H
57G
57F
57E
57B
57A
57C
57D
47
44
43
56
52
51
54
53
50
55
40
40A
40B
41B
41A
42B
42A
Qp
Qn

FIG-12
~~FIG-14~~

FIG. 15

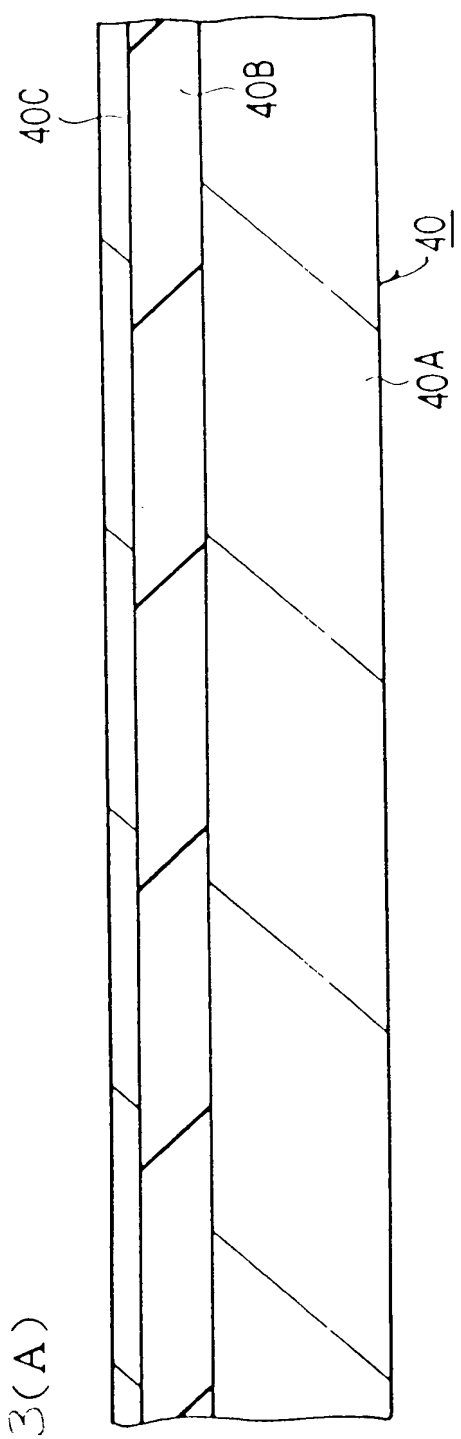


FIG. 13(A)

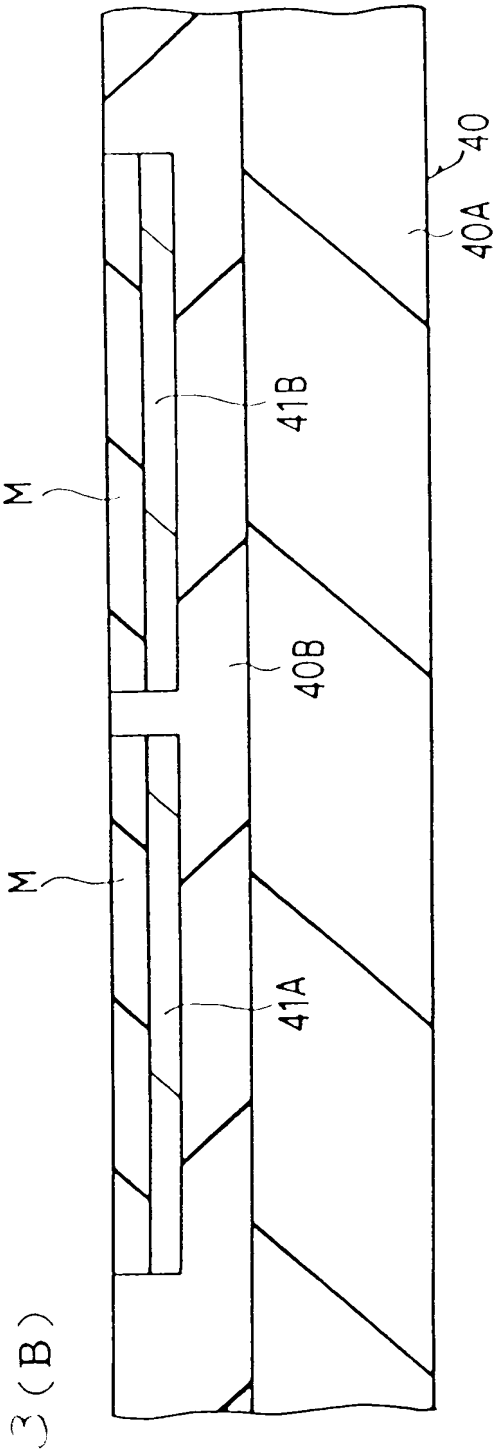


FIG. 13(B)

~~FIG. 16~~

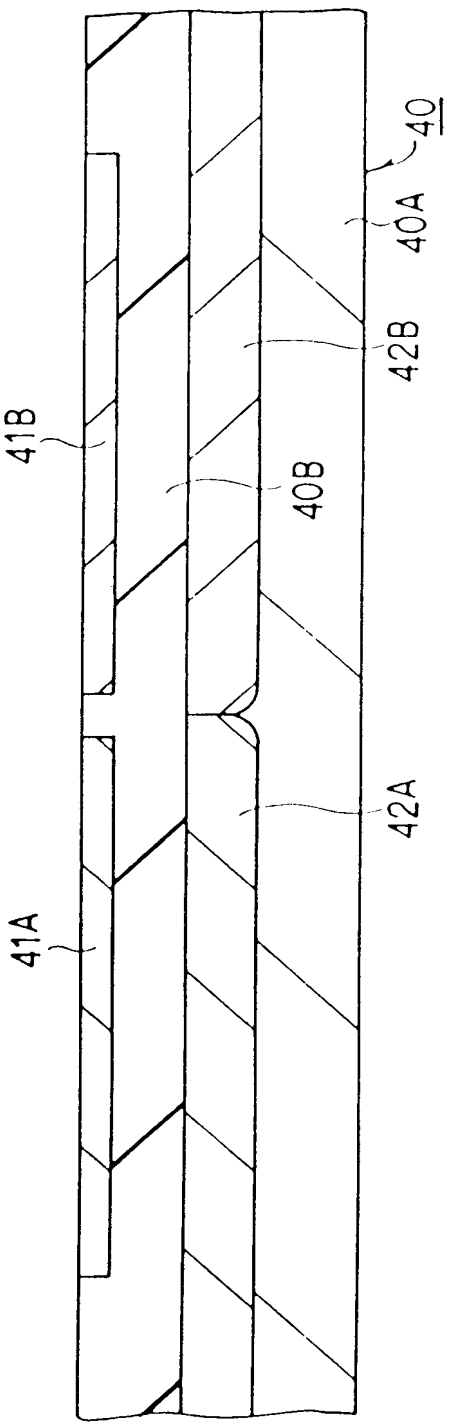


FIG 13(C)

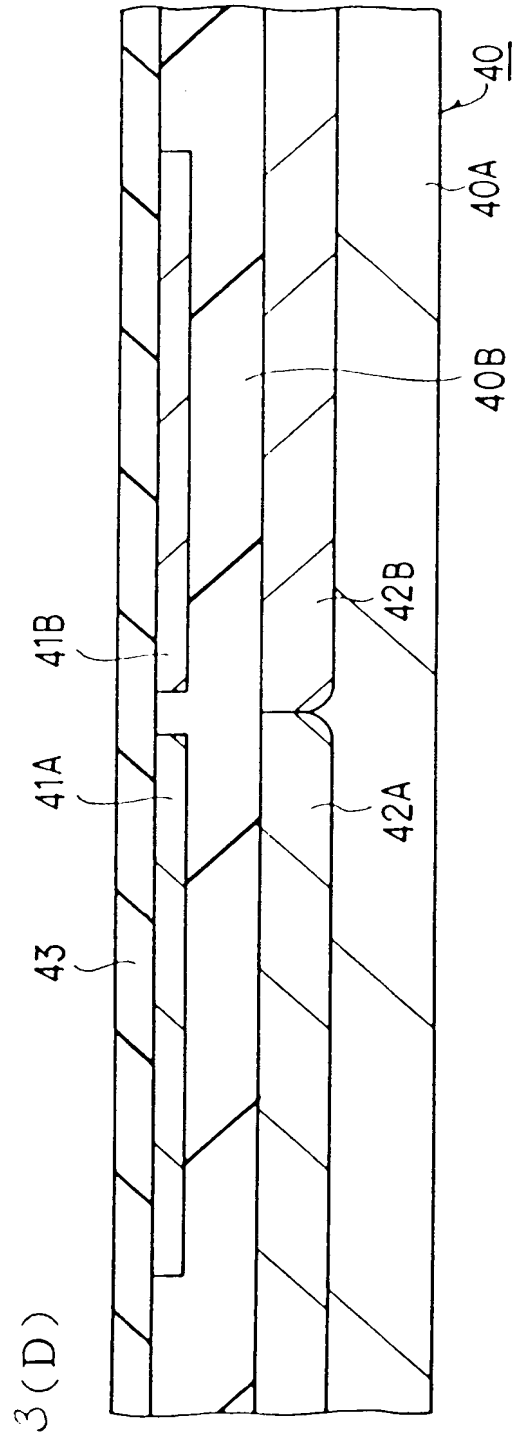


FIG 13(D)

FIG. 17-

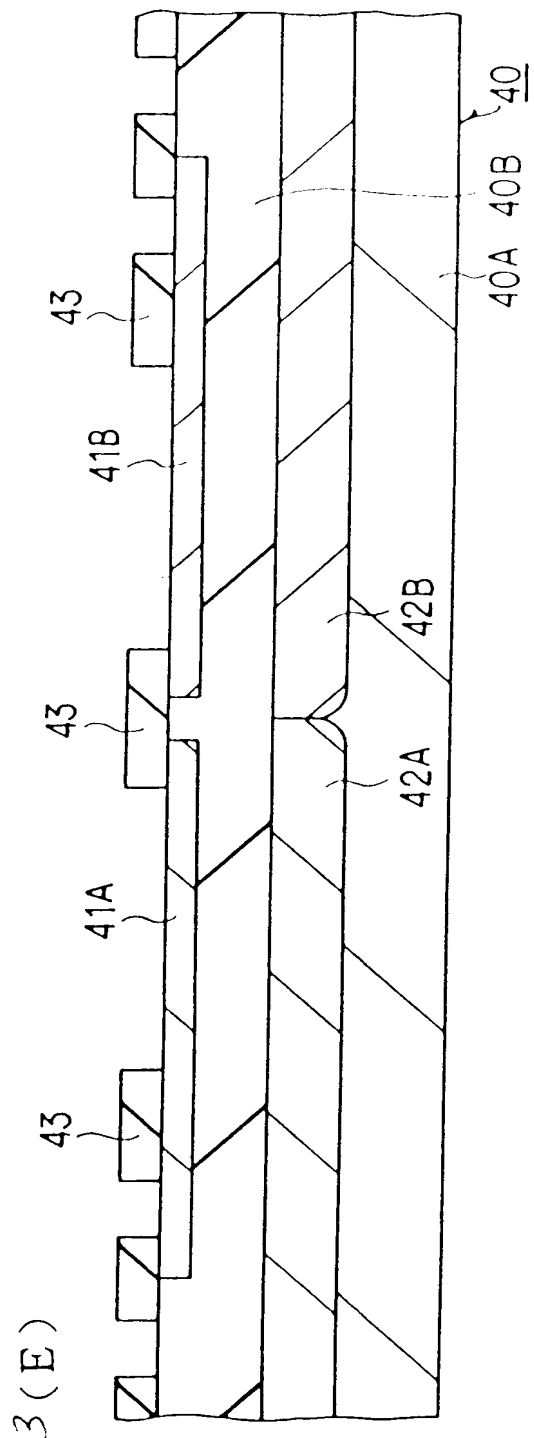


FIG 13(E)

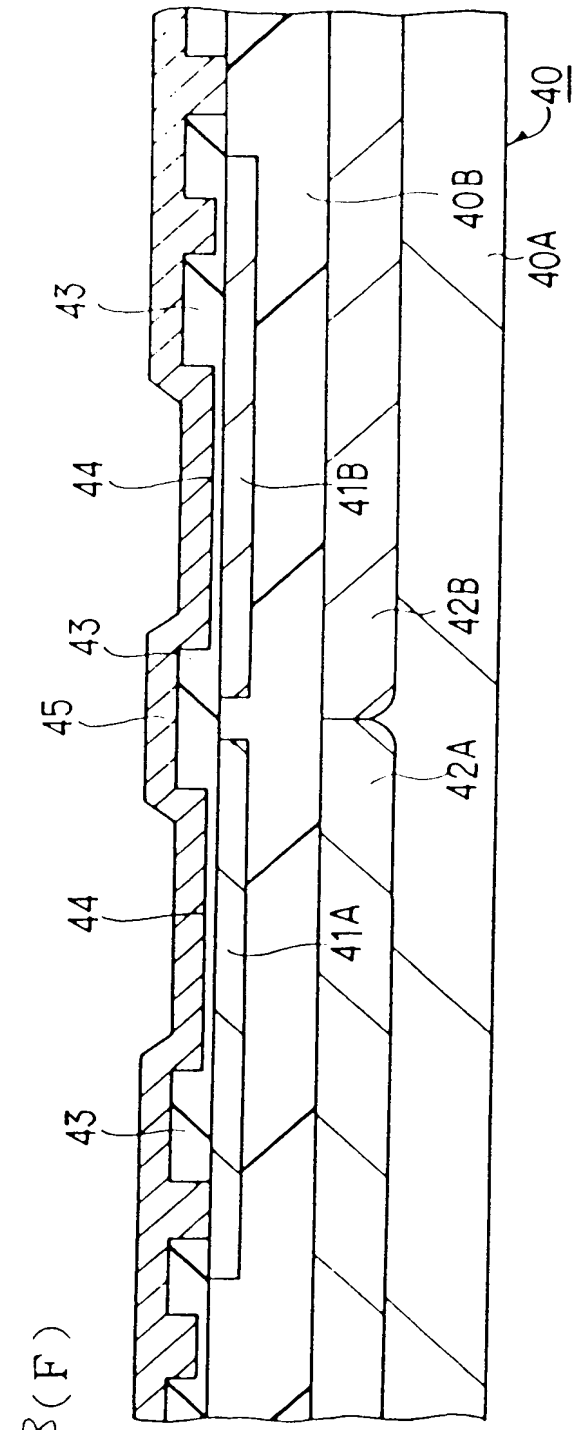


FIG 13(F)

FIG. 18.

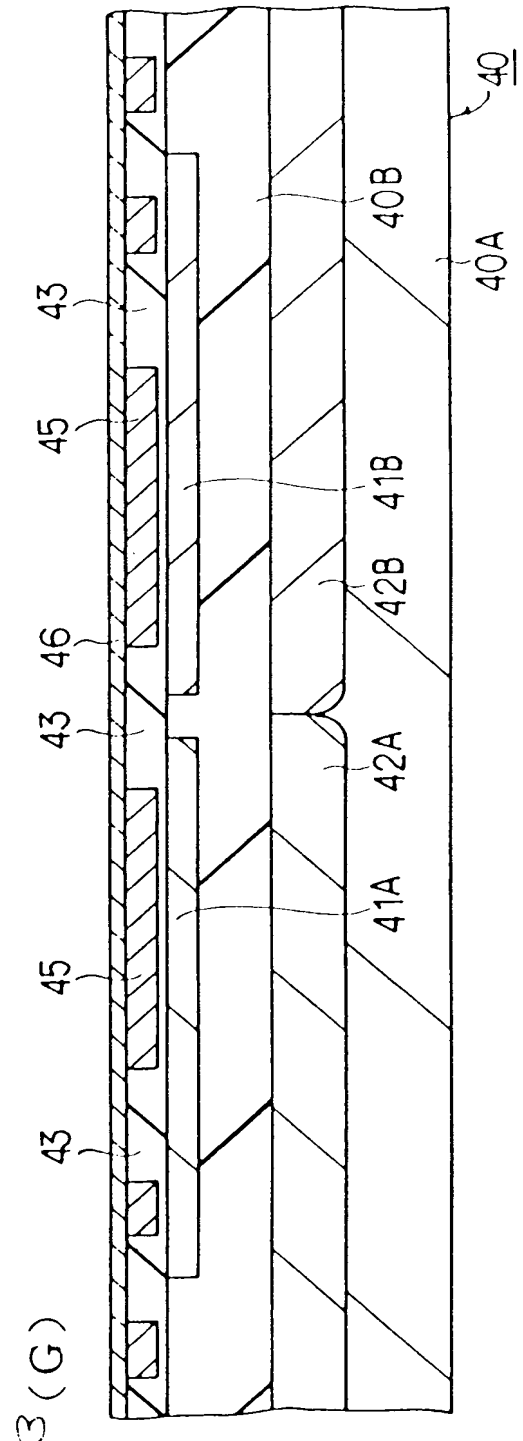


FIG 13 (G)

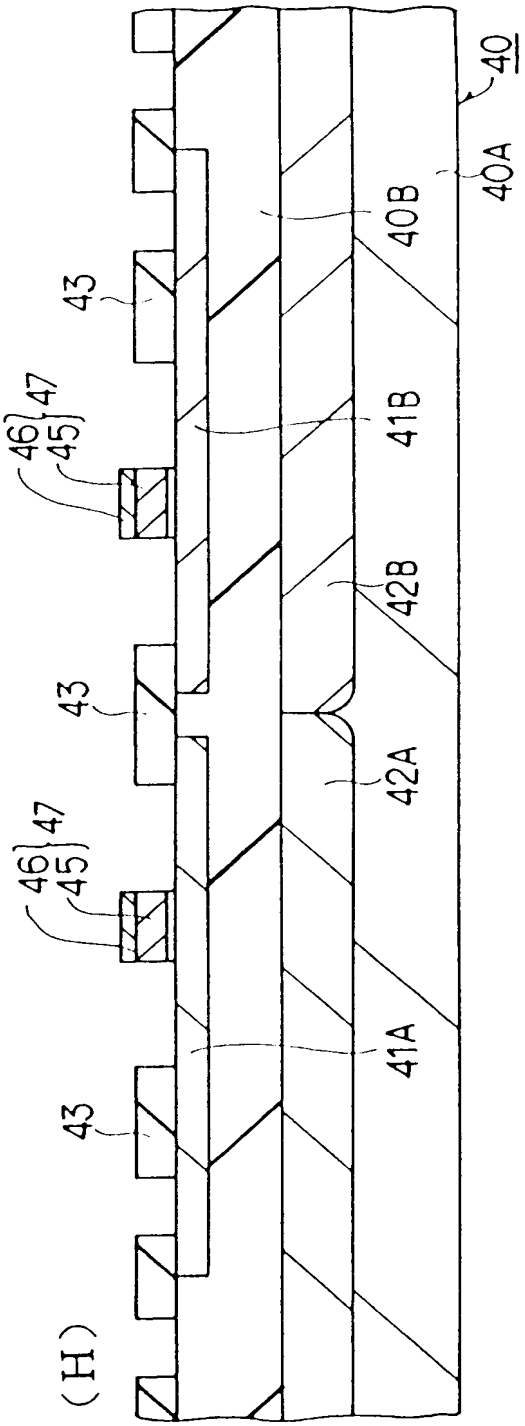


FIG 13 (H)

FIG. 19.

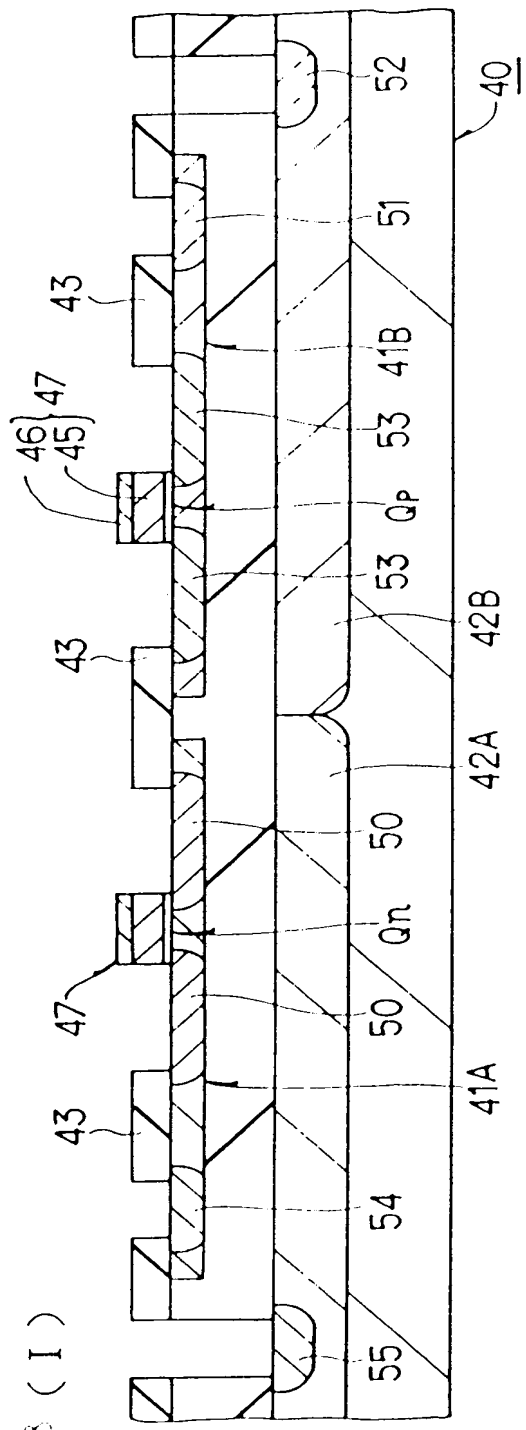


FIG 13 (I)

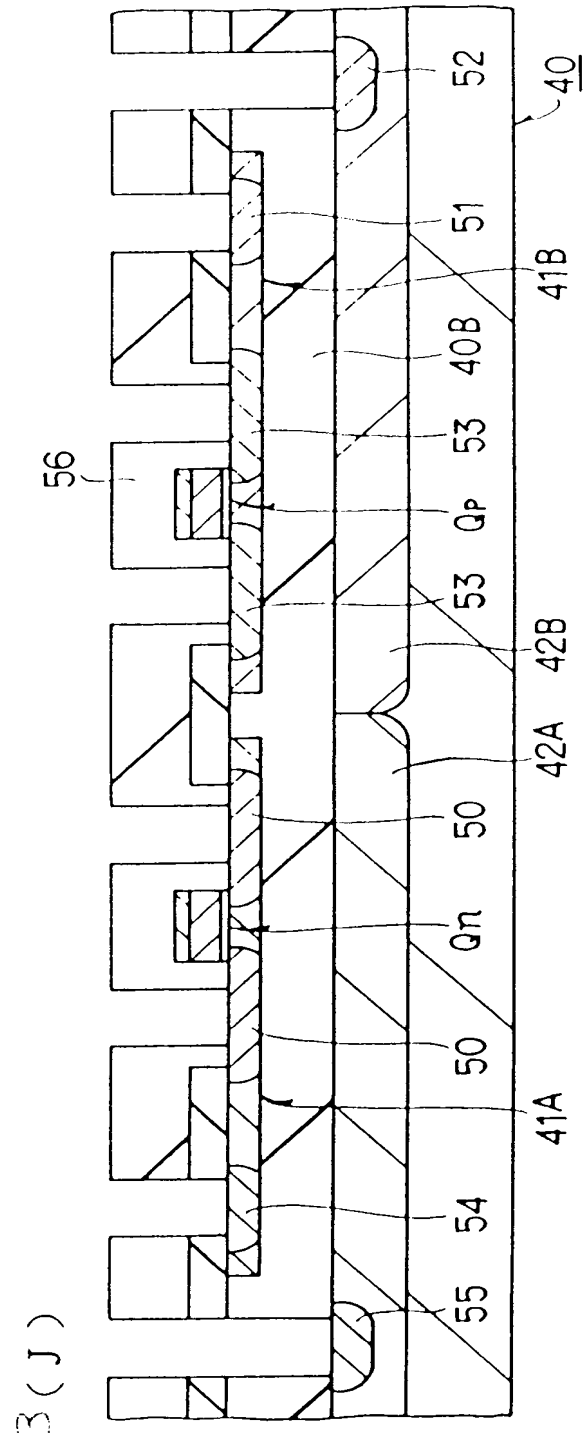
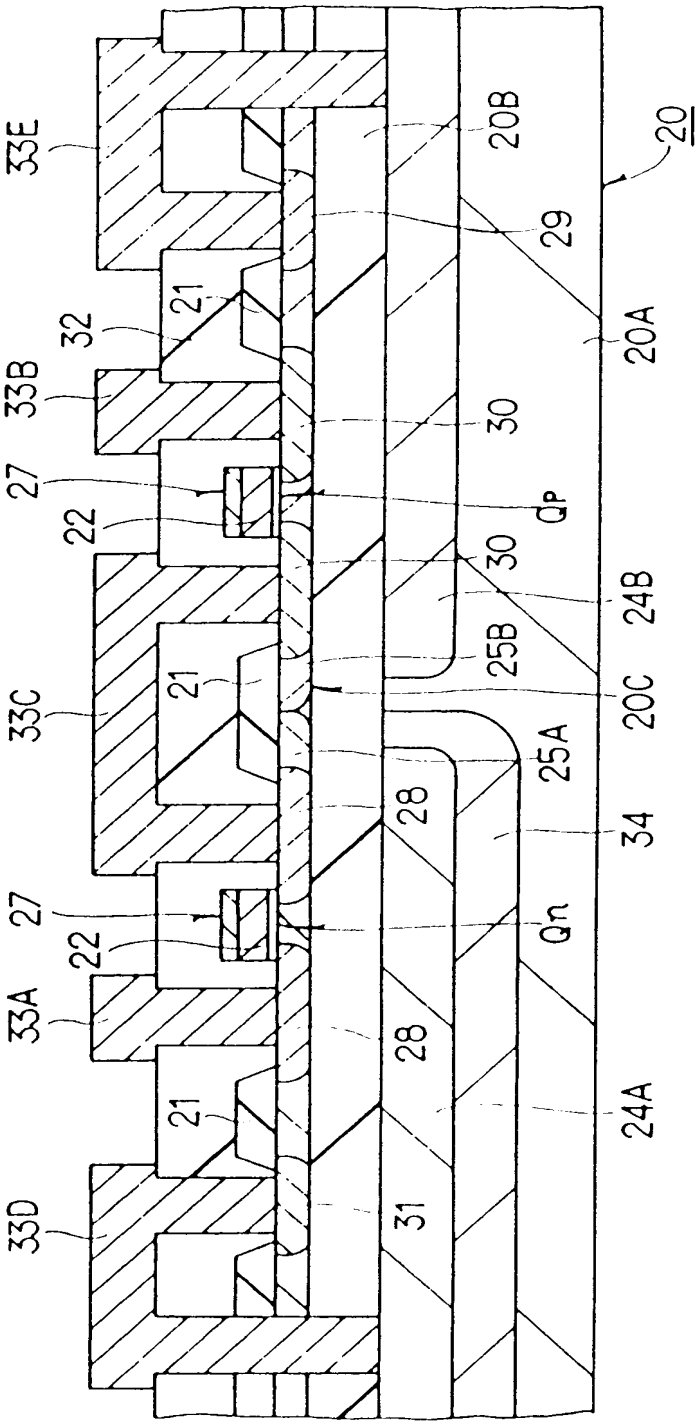


FIG 13 (J)


33E
32
33B
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33C
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33A
33D
21
21
21
20B
20
29
20A
30
Qp
30
24B
25B
20C
25A
28
34
Qn
28
24A
31

14
FIG. ~~20~~

FIG. 21

(1) NORMAL OPERATION MODE

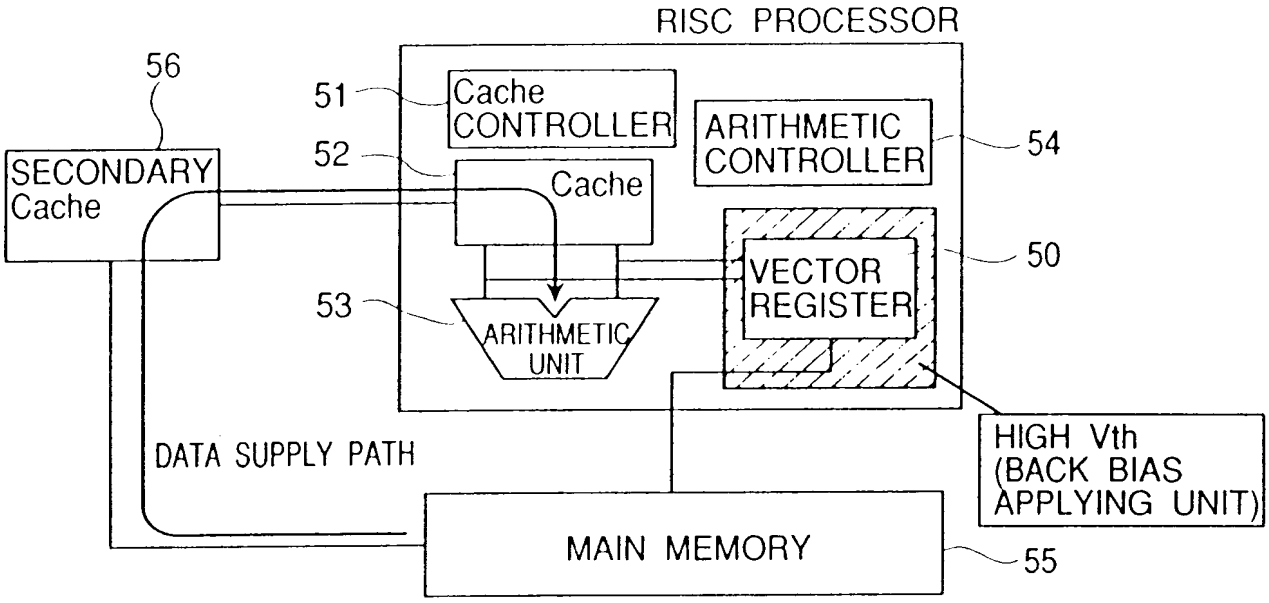


FIG 15(B)

(2) MASS DATA NUMERICAL CALCULATION MODE (VECTOR COMPUTE MODE)

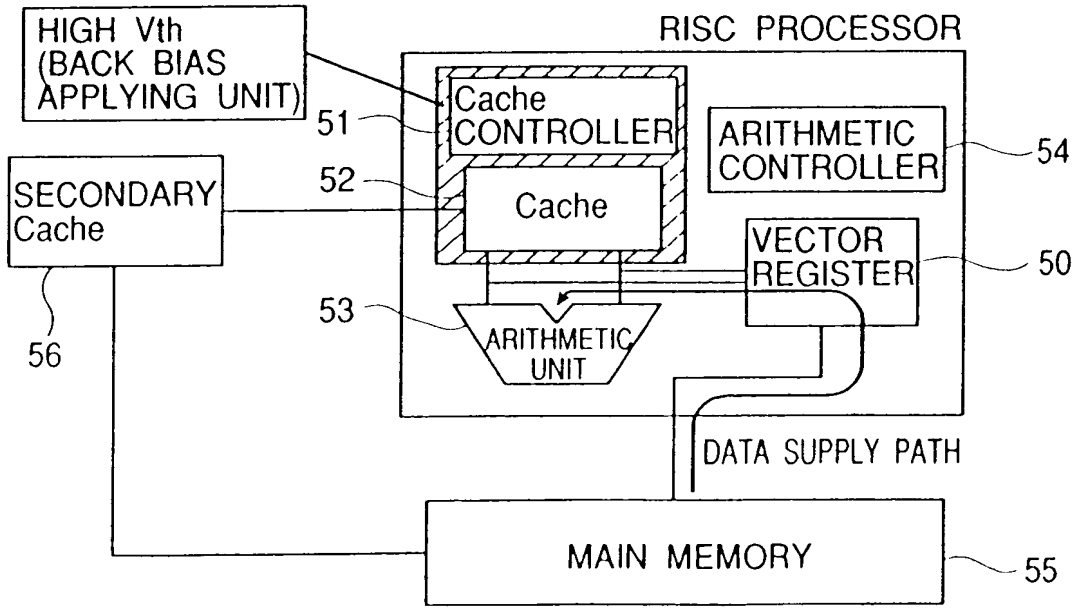


FIG. 22

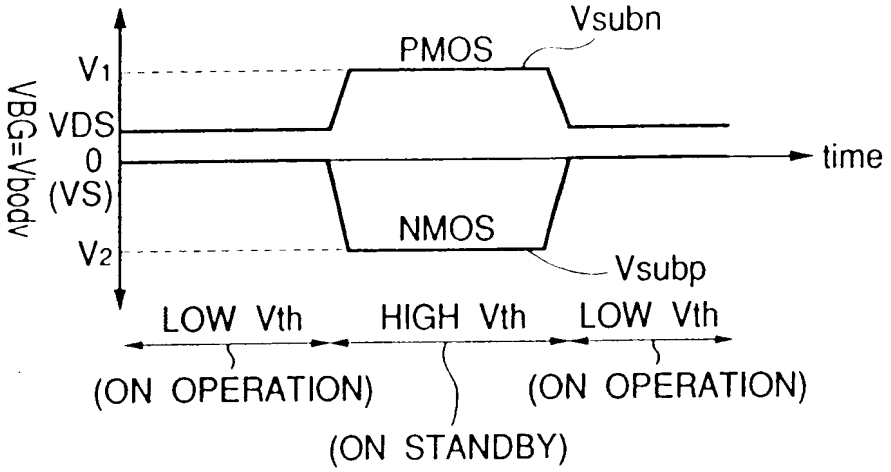
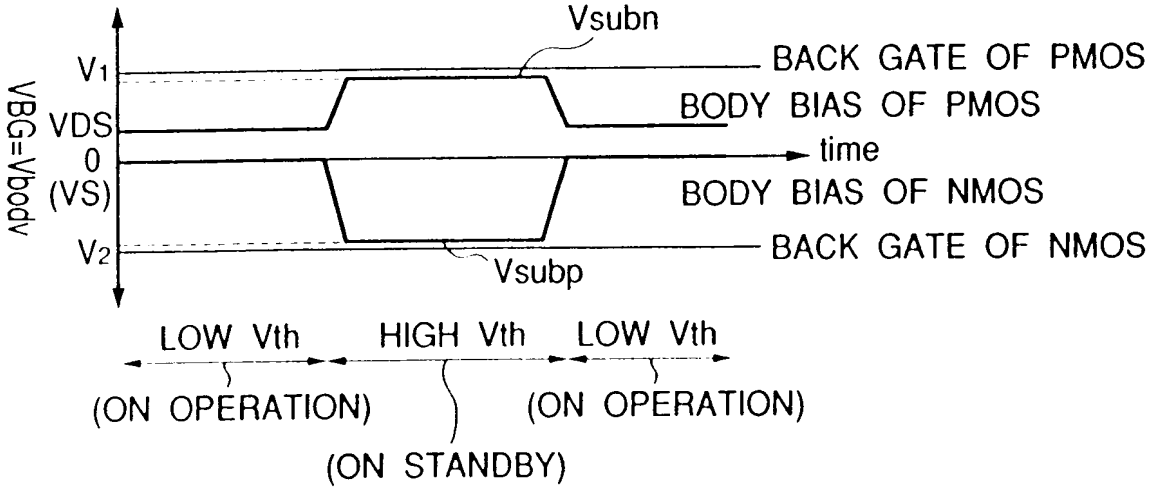

Vsubn
PMOS
V1
VDS
0
(VS)
V2
VBG=Vbody
time
NMOS
Vsubp
LOW Vth
HIGH Vth
LOW Vth
(ON OPERATION)
(ON OPERATION)
(ON STANDBY)

FIG. 23


Vsubn
BACK GATE OF PMOS
V1
BODY BIAS OF PMOS
VDS
0
(VS)
V2
VBG=Vbody
time
BODY BIAS OF NMOS
BACK GATE OF NMOS
Vsubp
LOW Vth
HIGH Vth
LOW Vth
(ON OPERATION)
(ON OPERATION)
(ON STANDBY)